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APPLICANT : JAPAN ENERGY CORP;

INVENTOR : MAKITA ATSUSHI;

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TITLE : METHOD FOR PRODUCING MACROCYCLIC KETONE COMPOUND

ABSTRACT : PROBLEM TO BE SOLVED: To provide a method for efficiently producing cycloalkenone in liquid phase reaction, a method for producing cycloalkanone by hydrogenating the cycloalkenone, and a method for producing alkyl cycloalkanone by introducing an alkyl group into cycloalkenone.

SOLUTION: The method for producing cycloalkenone by dehydrating 12-18C 2-hydroxycycloalkanone in a liquid phase in the presence of an acid catalyst, and the method for producing cycloalkanone by reducing cycloalkenone obtained by the above method, or the method for producing alkyl cycloalkanone by alkylating cycloalkenone are provided.

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